

Fig. 1

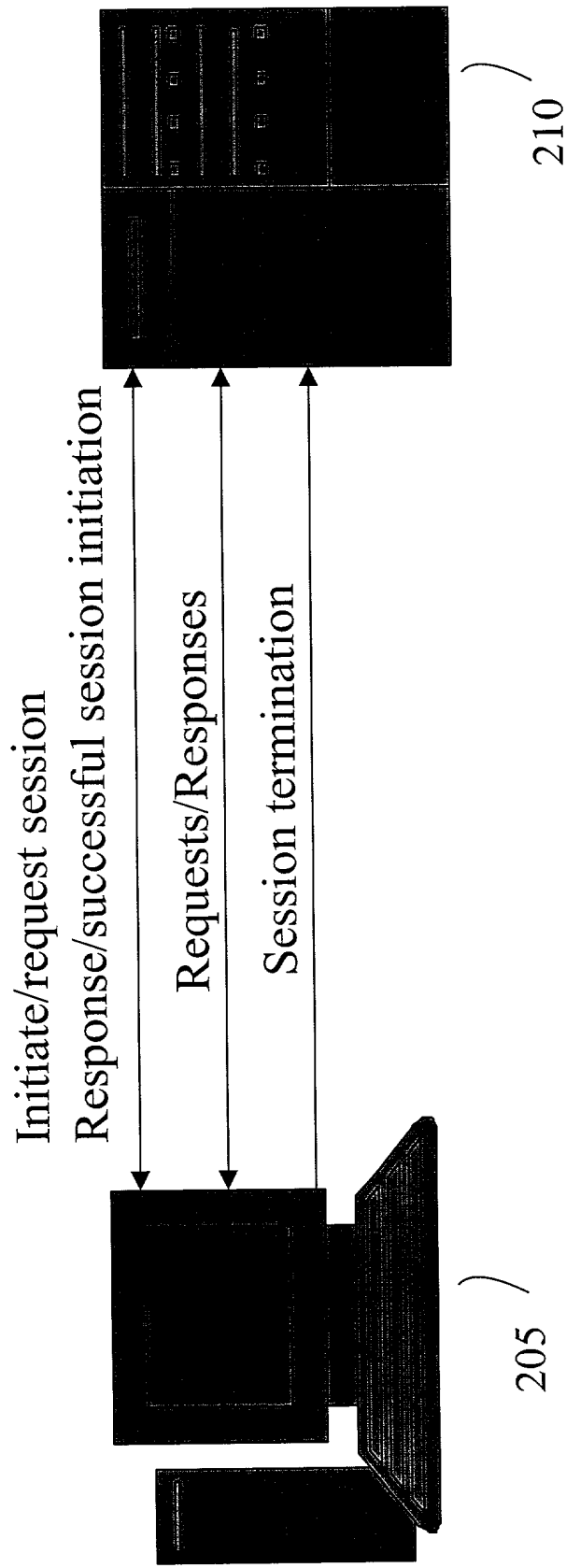


Fig. 2

### **Requests that reference objects:**

- <search>** retrieve the attribute values for a set of objects that satisfy a filter
- <retrieve>** retrieve the attribute values for a specified resultset
- <delete>** delete the objects that satisfy a filter
- <modify>** change the attribute values for the objects that satisfy a filter
- <count>** count the number of the objects that satisfy a filter
- <create>** create a new object (in one substore) and expose it to the rest of the stores
- <expose>** expose an already created object to the rest of the stores

### **Administrative requests:**

- <auth>** client turn in an authentication sequence
- <list/>** list server data of various kinds
- <help/>** return usage information

Fig. 3

### **General Error Response:**

**<error-response>** return an error from the corresponding request

### **Responses to requests that reference objects:**

**<search-response>** return a resultset containing the attributes  
**<retrieve-response>** return a resultset containing the attributes  
**<delete-response>** return a resultset with the deleted object ids  
**<modify-response>** return a resultset for the modified objects  
**<count-response/>** return the number of objects that satisfied the filter  
**<create-response>** return a resultset with the new object  
**<expose-response>** return a resultset with the exposed objects

### **Administrative request responses:**

**<auth-response>** server response in an authentication protocol  
**<list-response>** server data that was requested  
**<help-response>** usage information

Fig. 4